



# **MAGTF Logistics**

## ***Back to the Sea...***

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**Mr. Nick  
Linkowitz  
HQMC/LPV  
06 Feb 2004**



# Marine Corps Vision

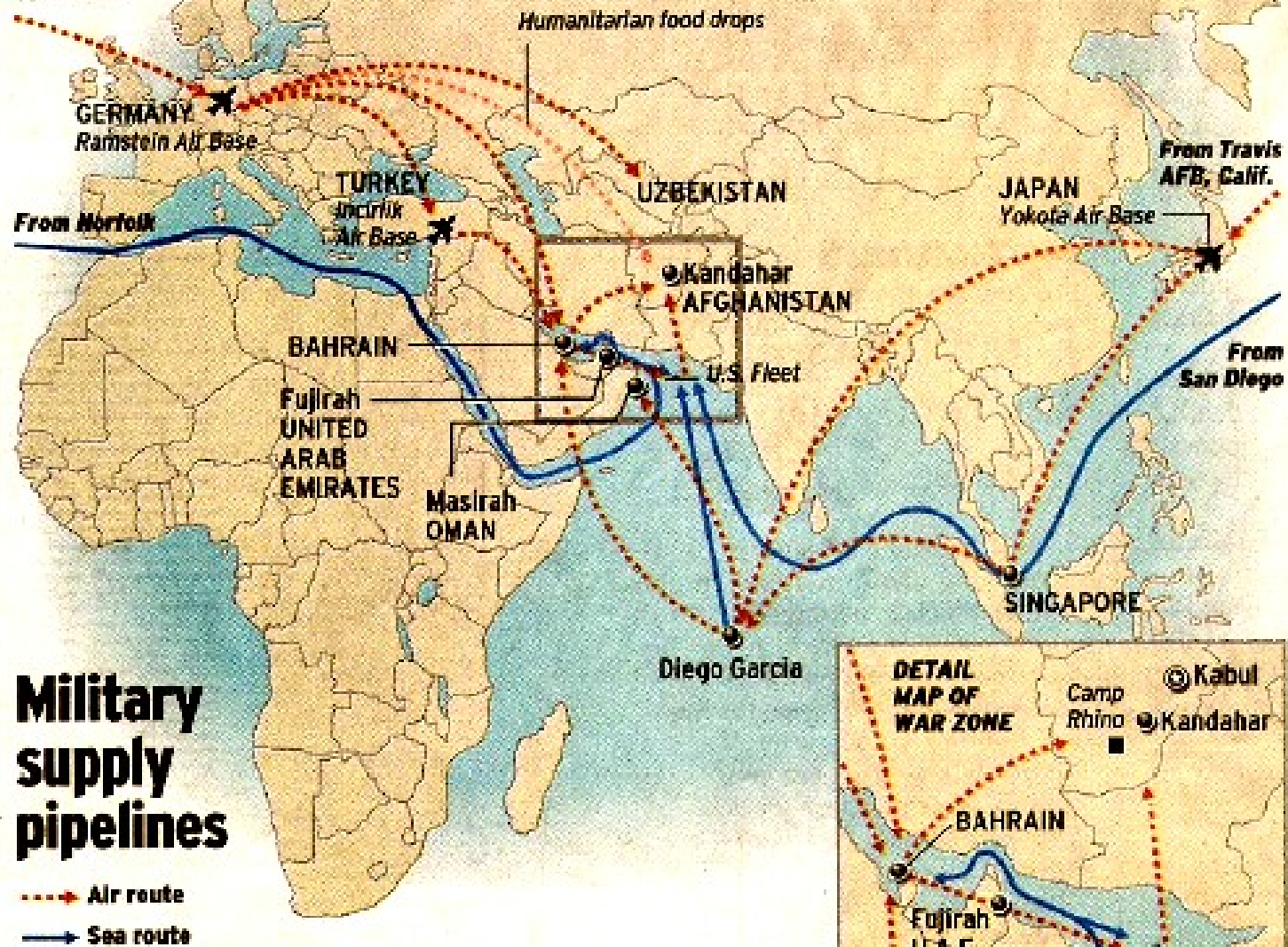
## Characteristics of an *Expeditionary* Force:

- Agile and flexible force
- Capable of a broad range of military objectives
- Deploy rapidly
- Enter objective though forcible means
- Sustain itself for an extended period of time
- Withdraw quickly

General J. L. Jones  
CMC

*What's in a Word?*  
AFJI - Oct 2000

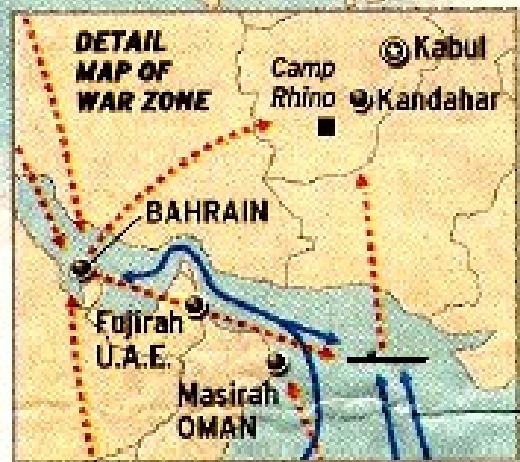
From several  
U.S. bases



# Military supply pipelines

--- Air route  
— Sea route

SOURCES: Defense Department; GlobalSecurity.org  
BRIAN CRAGIN / Union-Tribune



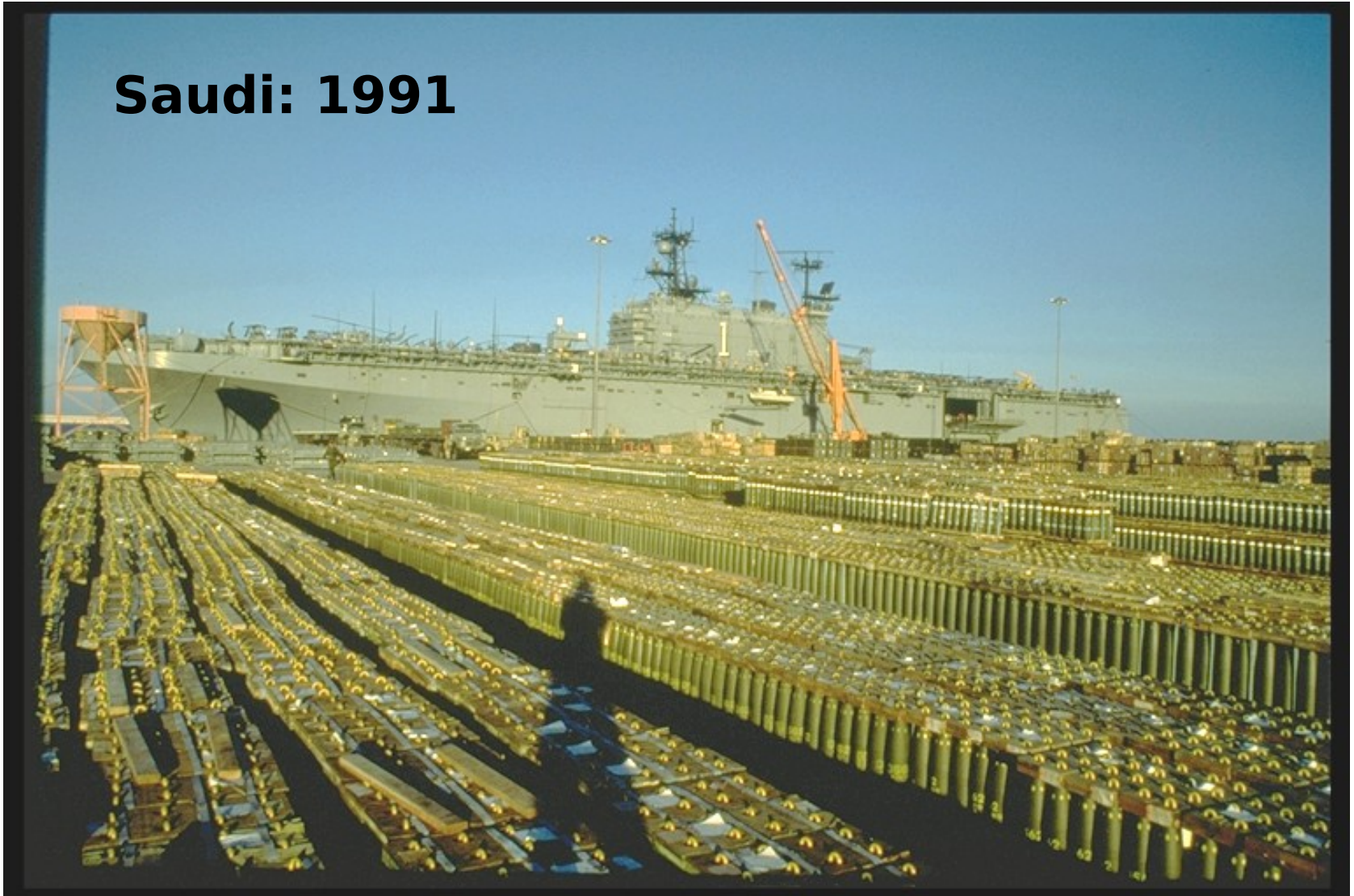






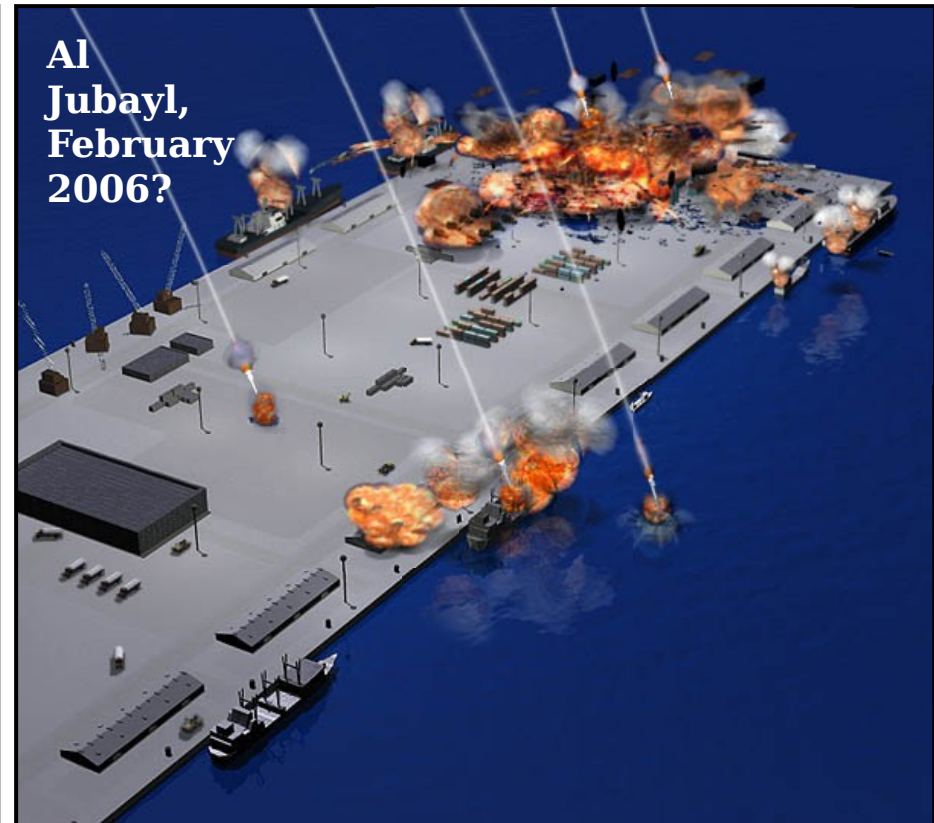
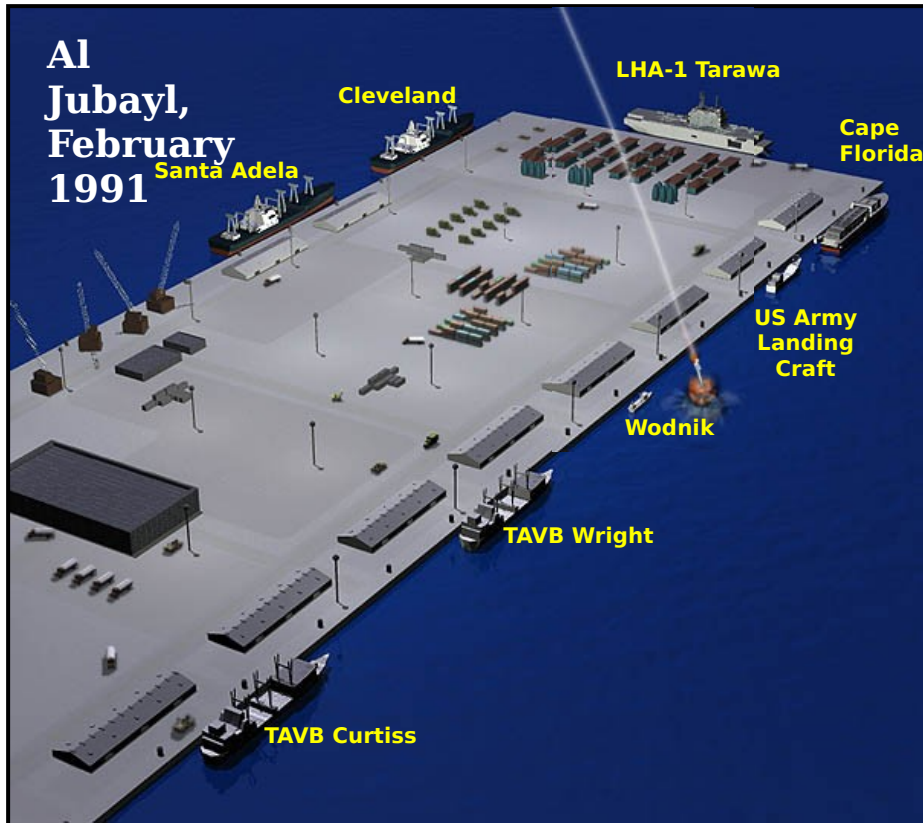
# ***Why A Sea-Base?***

**Saudi: 1991**



# Why Change?

## Application of **Anti-Access**





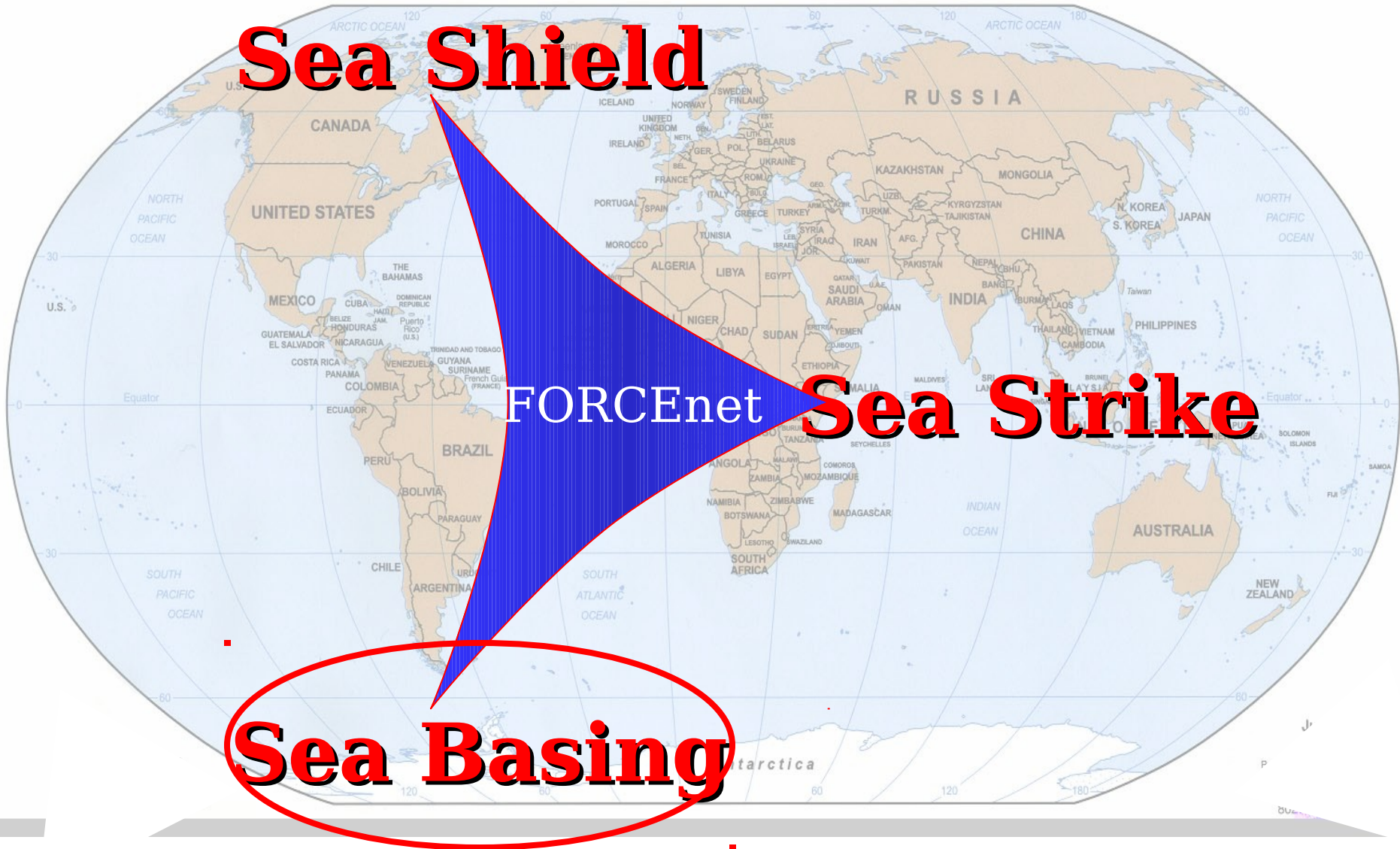
# ***SEA POWER 21***

**Sea Shield**

FORCEnet

**Sea Strike**

**Sea Basing**



# Question?

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***What is Sea-Basing?***



# **Not the Marine Corps View of Sea-Basing**





*Defense Science Board  
Task Force*

on

**SEA BASING**



August 2003

Office of the Under Secretary of Defense  
For Acquisition, Technology, and Logistics  
Washington, D.C. 20301-3140

**[www.acq.osd.mil/dsb/seabasing  
.pdf](http://www.acq.osd.mil/dsb/seabasing.pdf)**



# Sea-Based Logistics

*For a good part of the  
**Marine Corps**... We don't  
know what we don't know!*

**CLF**

**FLS vs. FLC**

**Shuttle  
Ships**

**MATCONOFF**

**FFV**

**CTF-  
73**

**INREP  
CONREP  
UNREP  
VERTREP**

**Station  
Ships**

**FLS**

**BGLC**

**Sea State 5**

**AOE vs. AFS**

**Underway  
Replenishment  
Coordinator  
(URC)**

**ALSS**

**CTF-  
53**

*Where is the  
**Green** in this  
System?*

# LANDING FORCE LOGISTICS AFLOAT (LFLA)



*This draft has been prepared for review by the  
Commandants of the Marine Corps and selected field  
commands and does not reflect approved doctrine of  
the Marine Corps.*

MARCH 1977

COMMANDING GENERAL  
MARINE CORPS DEVELOPMENT AND EDUCATION COMMAND  
QUANTICO, VIRGINIA



# NLI Objective...

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*To ensure naval logistic capabilities are utilized to their full potential in support of the Naval and Joint Forces under assignment to the  
Combatant Commanders*

# Views & Focus...



**Shore-  
Based**

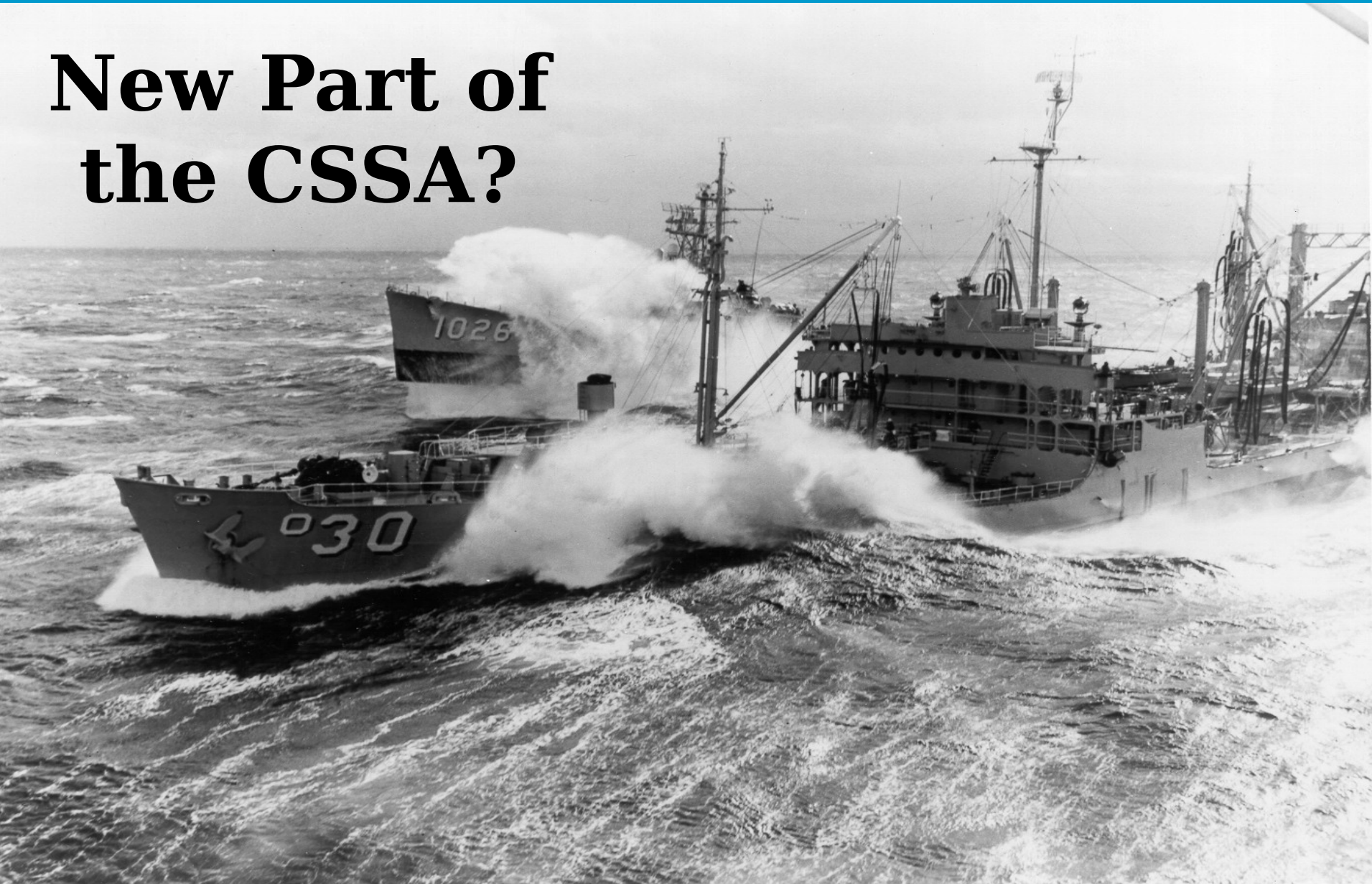


**Ship to  
Shore**



**Sea-Based**

# New Part of the CSSA?





# Future Log Characteristics

- Deploy to & Employ from....*The Sea*
- Integrated with **Naval** & **Joint** Global Logistics IT Network
- **Naval Logistics** vice **Ground** & **Aviation**
  - Capability is process-centric at sea or on land
  - Common **Naval** Processes & Systems
- **24x7 Sea-Base Operations**
  - Act more like Ship's Company vice....passengers
- **Ability for USMC Support Functions to Remain**
- **Increased MAGTF Log Support to SOCOM units**
- **But...Increased Resupply by Rotary-Wing**



# MPS-F...?



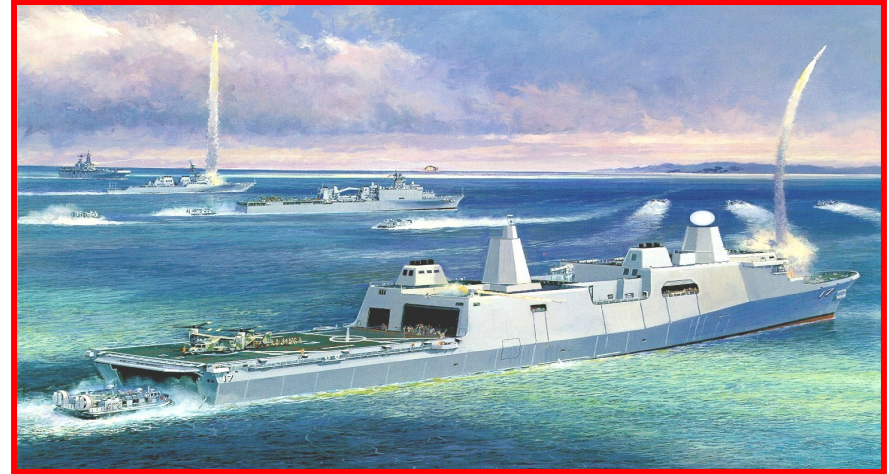
# Think About....

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- Future CONOPS on MPF Planning & Operations
  - STOM (sea-based *vs.* shore-based)
  - MPF-F & ESGs
- Composite MPSRONS (Legacy & MPS-F )
- Procedures (TTPs) & Policy Changes
  - Peacetime At-Sea Distribution, Supply, & Maintenance
  - Fleet Hospital vs. Medical & Dental BNs
- New Ship Loading Concepts
- Acquisition Plans for POM-06 for FYs-10 & 11
  - What do you scale back / increase? (e.g., Ammo, 500 Bed Hospital)
- Changes to MMC processes
  - Rotate bad MRE & Ammo Lots at-Sea
  - Apply some MODs afloat vice during MMC only



# Future Capabilities ...but huge SBL Impacts



# Examples....



MV-22 vs. CH-46  
139% more fuel



AAAV vs. AAV  
23-36% more fuel

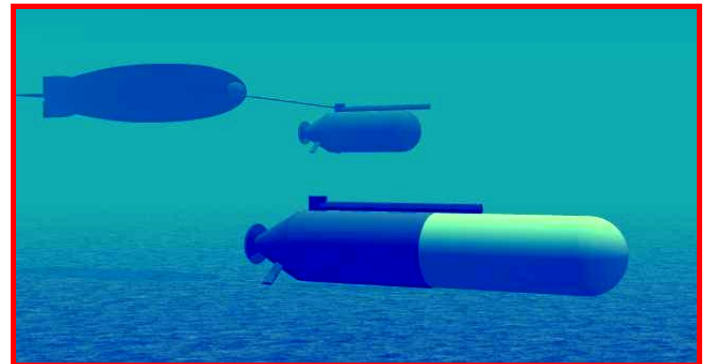


MTVR vs. M923  
30% more fuel





# ***Logistic Resupply must be Flexible***



# *Daily Resupply - Ground...*

- Food Requirement (Class I)

>  
84.7%

3.1%

- Water Requirement

38.8%

- Fuel Requirement (Class III)

45.9%

- Ammunition Requirement (Class V)

6.8%

-- Naval Expeditionary Logistics, Naval

Studies Board (1999)





# KEARSARGE

GRAND OPENING



# **It can be done Better....**



# Today = Legacy

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## ***Field Logistics System (FLS)***

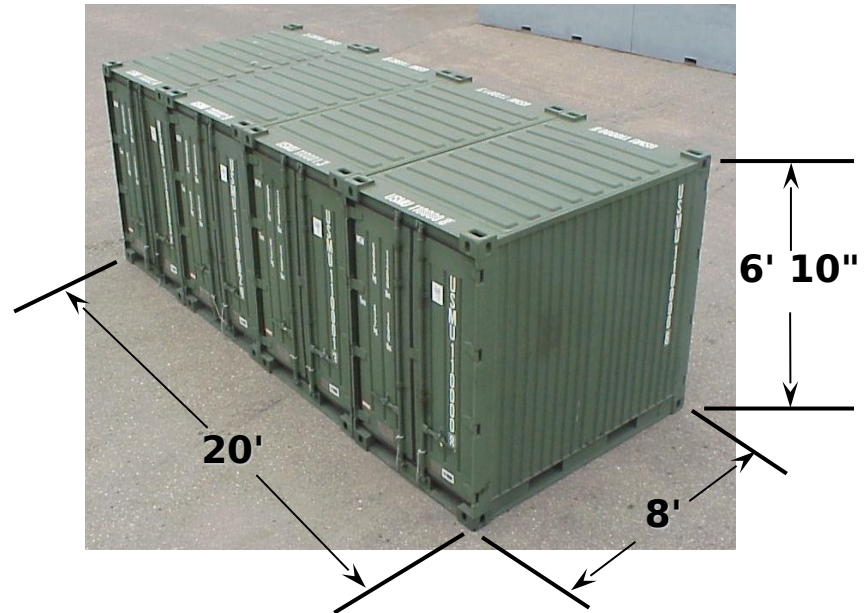
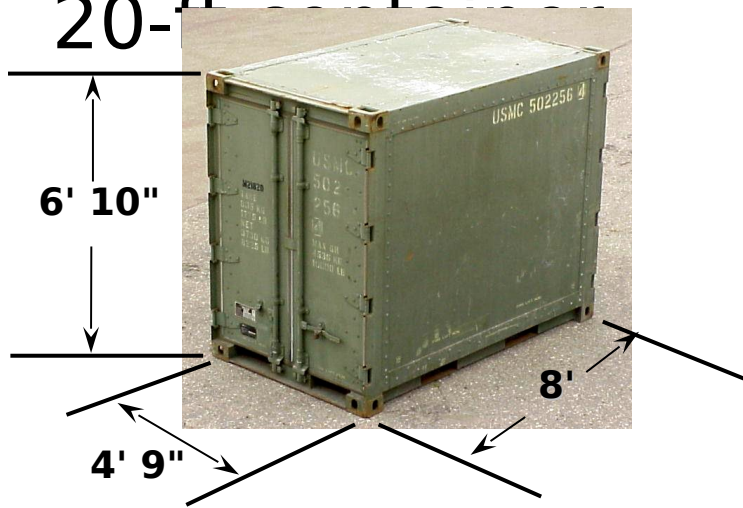
- Initiated studies in 1973 – Fielding begun in POM 80-84
- Emphasized dimensional standardization through intermodal transport
- Integrated System across Containers, Shelters, Motor Transport, & MHE by introducing:
  - PALCONs, QUADCONs, SIXCONs, LACHs, 5-Ton Trucks, LVS, Shelters, etc.
- Supported all MAF 60-day requirements from surf transfer line to destinations in AOA.
- Still fielding **today**...



# Standardized Family of Modular

## and Streamlined "Big Boxes"

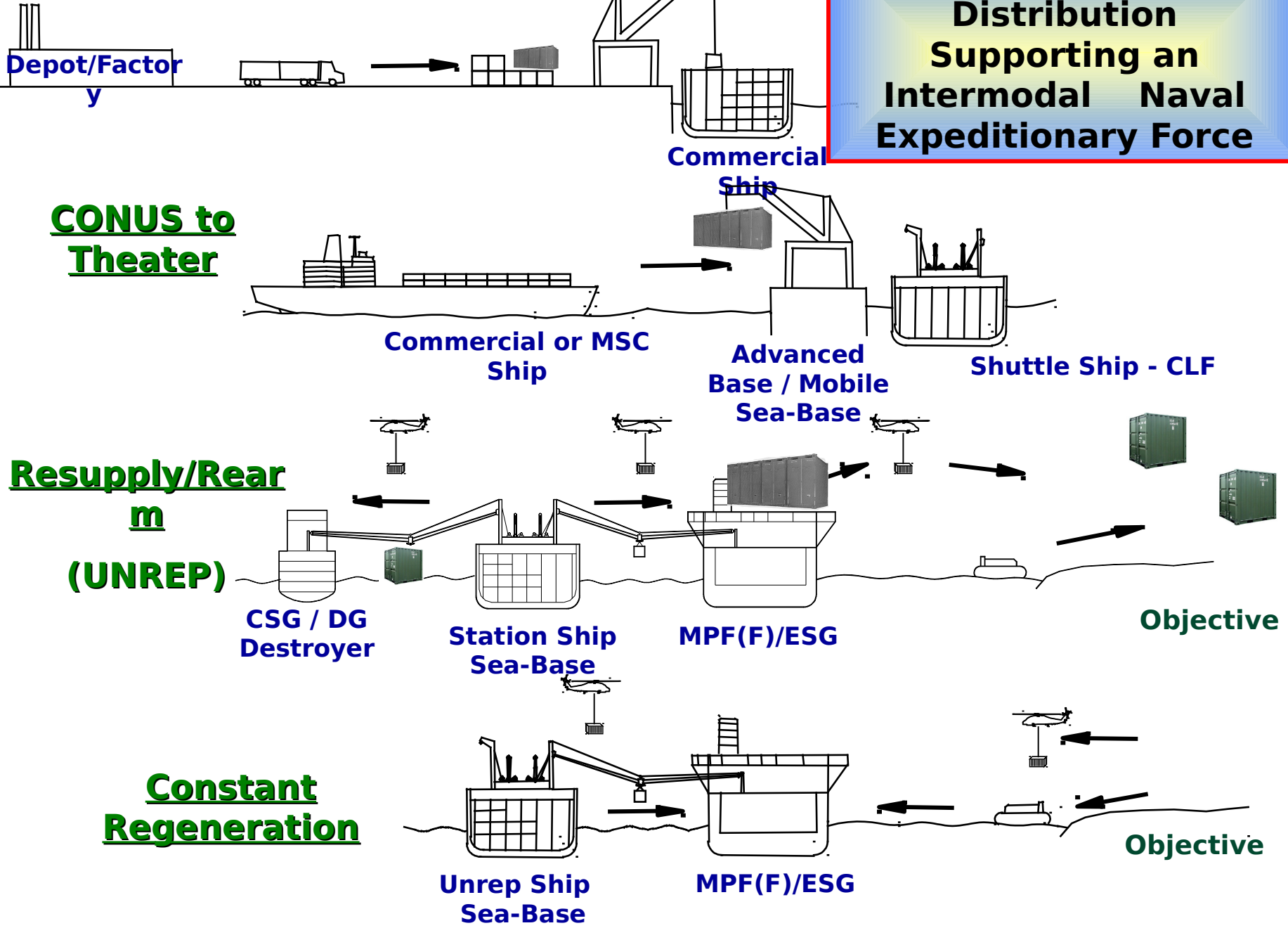
- Quadcons: Four connected together make one 20-foot container



- DD(X) big box =  $\frac{1}{2}$  Quadcon
  - Two stackable ( each is 4'9" x 8' x 3'5" )
- Same package from depot origin to combatant

## Containers or Standard Naval Packages

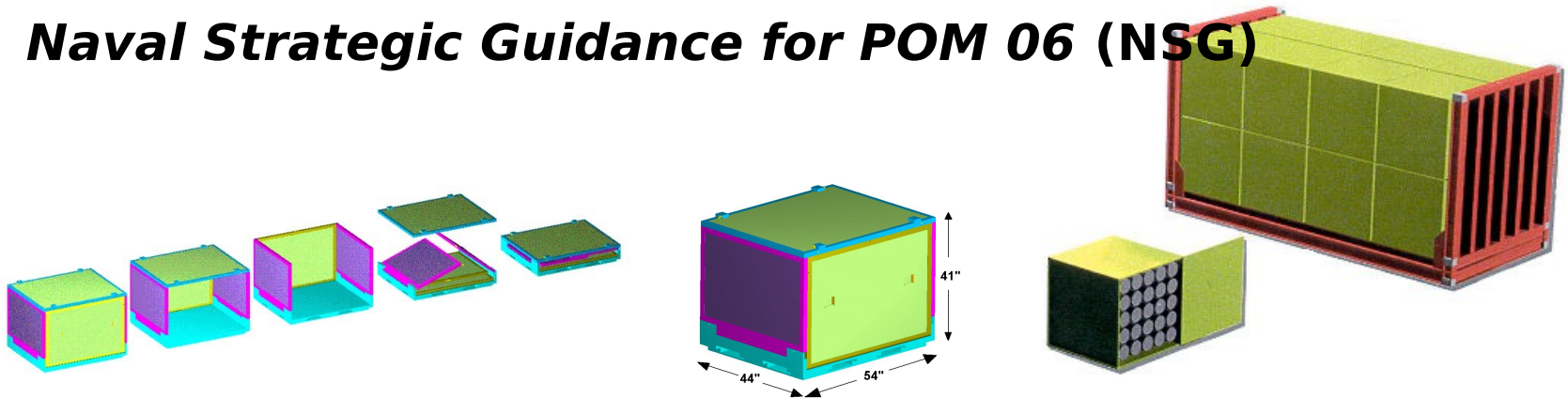
**Future Naval  
Distribution  
Supporting an  
Intermodal Naval  
Expeditionary Force**



# Common Intermodal Packaging

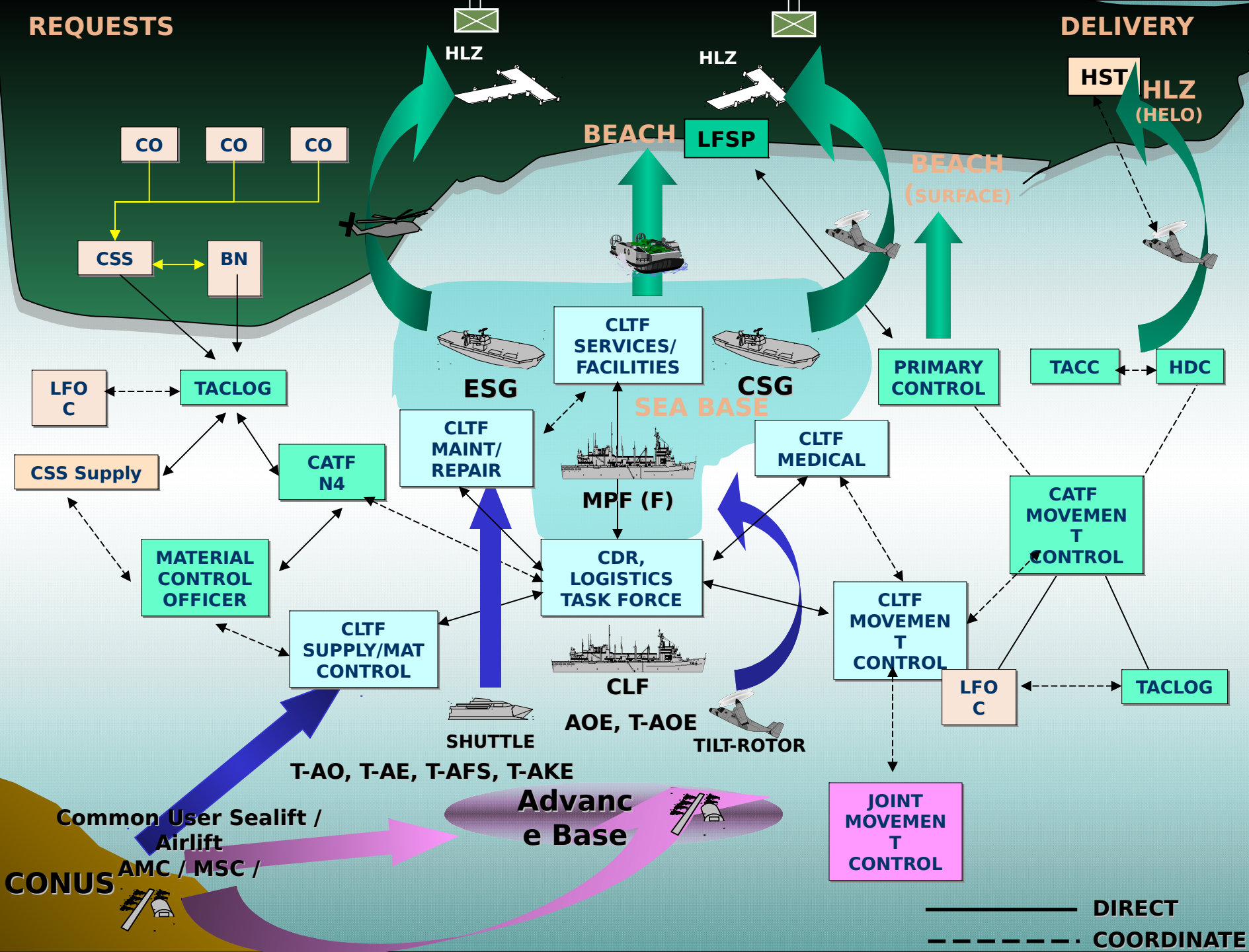
*Advanced intermodal modular packaging techniques will improve handling and reduce retrograde, waste, and storage requirements.*

- ***Naval Operating Concept for Joint Operations (NOC)***
- ***Naval Transformation Roadmap (NTR)***
- ***Sea-Basing CONOPS (N75 - Draft )***
- ***Naval Strategic Guidance for POM 06 (NSG)***



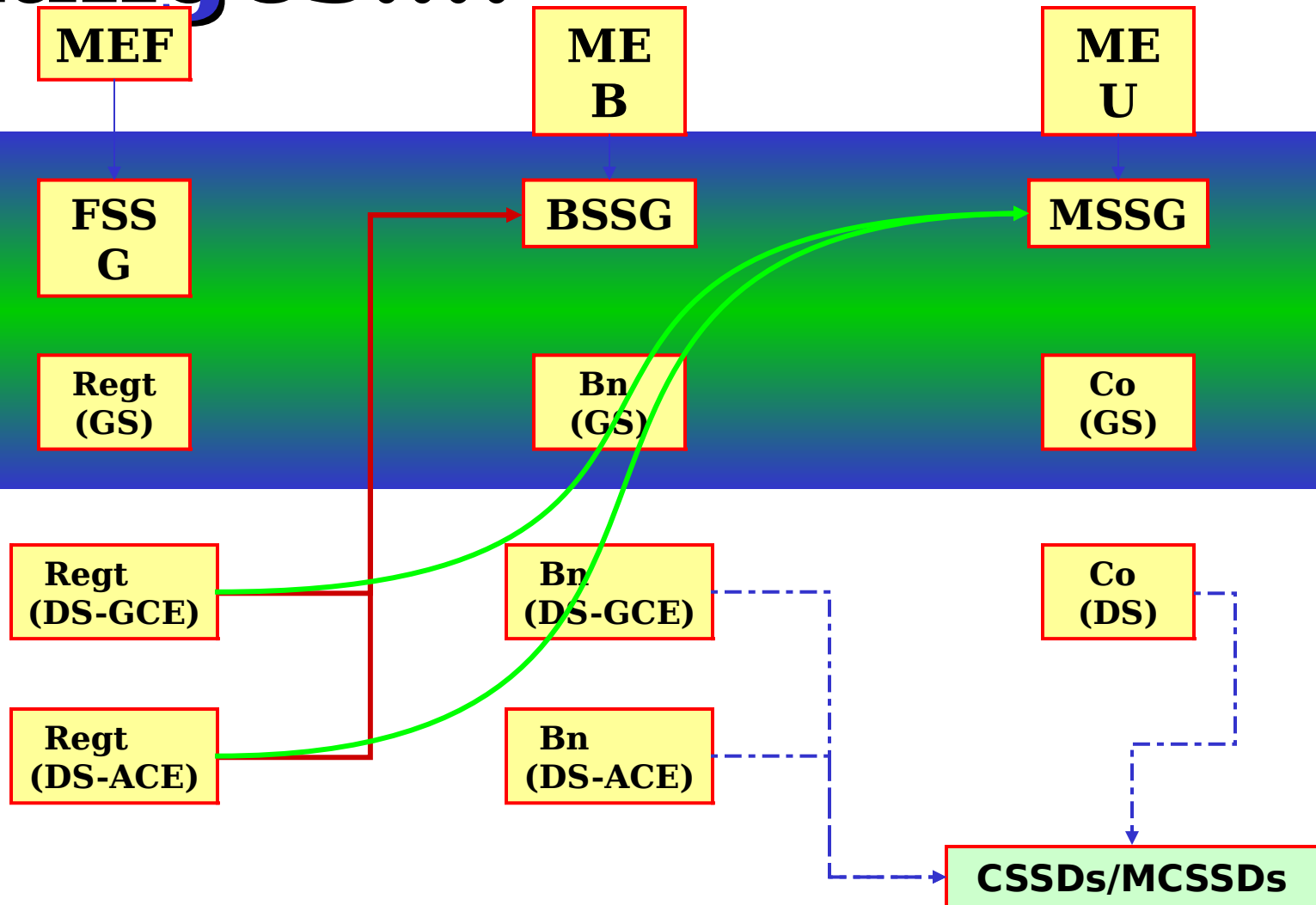
# REQUESTS

# DELIVERY





# ***Possible Structure Changes....***



# **But...*Remember* the Environment**



